KTC-221GY 50-0387A-002
KTC-221TN 50-0387A-014

FORD EXPEDITION/ LINCOLN NAVIGATOR

Overhead Console for use with Mobile Overhead Monitor

INSTALLATION MANUAL

These instructions are intended for use only by experienced professionals in the automotive customizing business. Special tools and equipment, as well as specialized handling and care of product during installation, may be required. Before beginning this installation, carefully read through the following instructions. **Use extreme care when cutting headliner material.** Check for wiring or other componentry above headliner material. Cut only where indicated.

Materials / Tools required for this installation:

1. Phillips screwdriver
2. Powered screwdriver or drill with adapter
3. Awl or scribe point tool or similar
4. Razor knife or similar tool
5. 18 GA wire 6'
6. 1/8" Drill Bit
7. ALPINE TMX-R680A Mobile Overhead Monitor

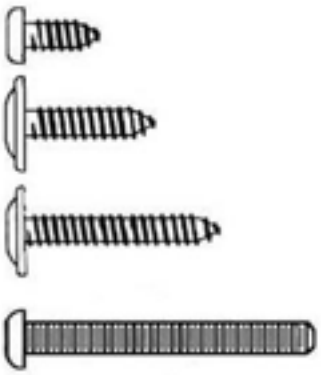
FOR USE IN VEHICLES WITH FACTORY INSTALLED OVERHEAD CONSOLE ONLY.

INSTALLATION INSTRUCTION # 44-0087A

Dec. 29,2000
Printed in the U.S.A.

MATERIALS PROVIDED FOR INSTALLATION:

ITEM	Description	QTY
1	SCREW, # 6 x 3/8" PPH	7
2	SCREW, #8 X 9/16" PWH	4
3	SCREW, #8 X 1" PWH	3
4	SCREW, 8-32 X 1 1/2" PPH	4
5	CONVOLUTED TUBE, 1/2" I.D. X 3"	1
6	VELCRO TAPE, 1" X 6"	1
7	TEMPLATE	1
8	MOUNTING BRACKET	1
9	A/C BLOCK-OFF COVER	1
10	CONSOLE	1
11	SWITCH, SPDT	1



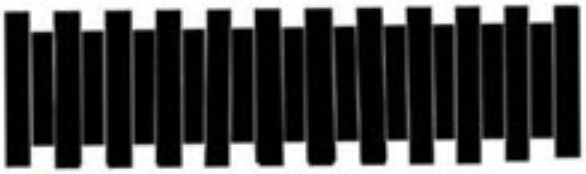


PHOTO 1

I. REMOVAL OF O.E.M. EQUIPMENT

1. Remove and retain rear A/C control assembly. Assembly housing is secured with (2) two spring cli on front of housing. Pull down to disengage, then sli forward to clear bracket. See Photo 1. Disconnect wiring and set assembly in a safe place for re-use later.
2. Remove and discard center and rear A/C vent in headliner by rotating outer ring on louver 90 degrees then pulling downward.

II. PREPARATION OF VEHICLE INTERIOR

3. Using a razor knife, carefully trim headliner as shown, this will allow clearance for mounting bracket and A/C block off cover. See Photo 2. Locate template (item 7 pg 2) at rear edge of A/C switch cut out. Make sure that arrow is pointing forward and template is centered left to right. Carefully cut and remove indicated headliner. See Photo2.
4. Remove and retain (2) two O.E. screws from bracket.

PHOTO 2

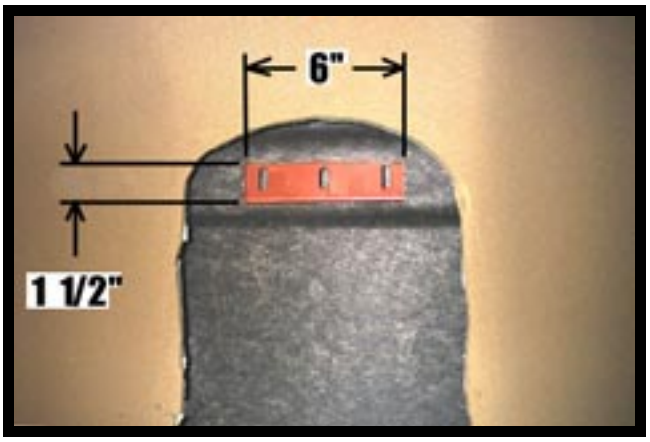


PHOTO 3

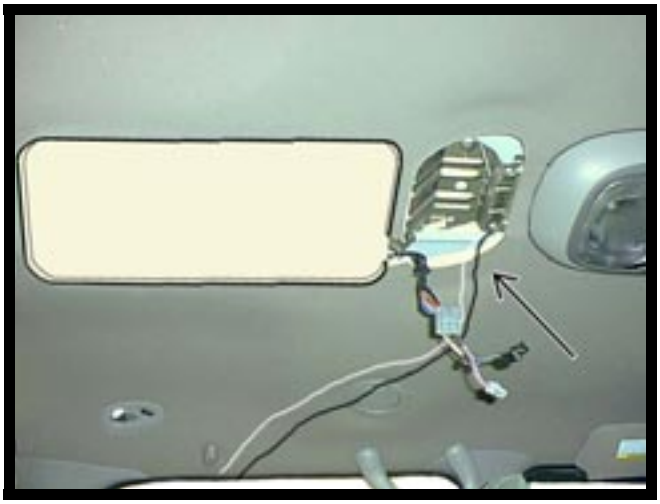


PHOTO 4

5. Trim insulation at rear of opening as shown in Photo 3.

6. Remove and retain (1) one O.E. screw in front pocket of O.E. overhead console. Pull down on console to gain access to dome light wiring.
7. Construct a 2ft. jumper harness that will connect the vehicle's dome light wires to the lights in LCD monitor housing. Refer to wiring/connections section of the TMX-680A owner's manual for details.
8. Route dome light wire under brace on console and connect O.E. connector to the O.E. dome light. Route jumper harness through pod opening on console. See Photo 4.
9. Using a test light, test function of lights.
10. Install O.E. console in original manner.

11. Install and route all video and audio cables, and any other added component requirements to their respective places in the vehicle. Refer to component installation instructions for wiring diagrams. The suggested routing of the video system cable is as follows: Above the headliner from video system to C-pillar. Down the C-pillar to the floor. Route the power lead to an accessory controlled source. Connect the ground lead to the vehicle chassis. Route the remaining wiring to the VCP location. See Photo 5. Connect per instructions included

with the video system. If video system if to be used as a television, install an appropriate antenna per instructions included with the antenna.

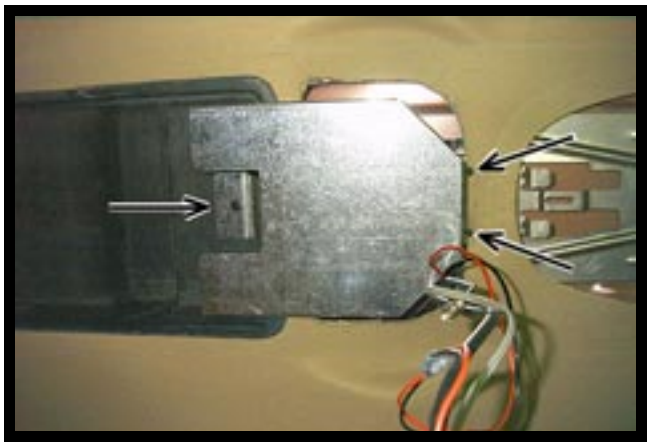


PHOTO 7

12. Install block-off cover (item 9 pg 2) and secure using (2) two # 8 x 9/16" screws (item 2 pg 2) at rear area. See Photo 6.

PHOTO 5

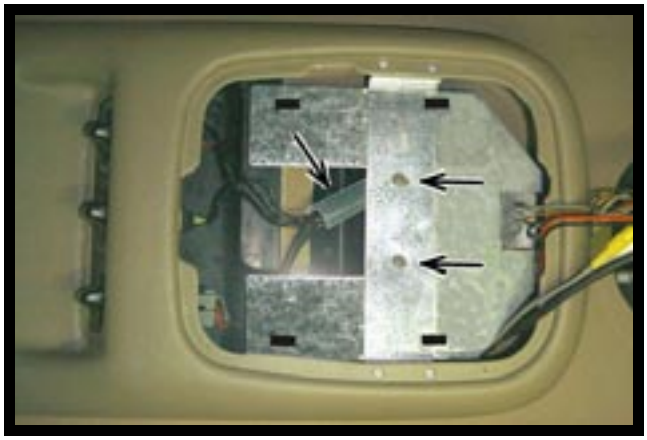
13. Detach A/C wire harness from brace to allow connectors to reach the new A/C control location. See Photo 7.
14. Install mounting bracket (item 8 pg 2) by inserting tabs into slots in O.E. bracket and securing front of bracket using (2) two screws O.E. screws removed in step 4 into their original location and (1) one #8x 1" screw (item 3 pg 2) in rear location. See Photo 7.
15. Install convoluted tube (item 5 pg 2) around wire harness to prevent chaffing against bracket. See Photo 9.

PHOTO 8

PHOTO 6

III. PREPARATION OF CONSOLE

16. Remove A/C control from rear bezel assembly previously removed in step 1. Modify A/C control by drilling (3) three 1/8" dia. holes in front mounting tabs. See Photo 8.



17. Place A/C control in opening in console (item 10 pg 2). Make sure control is centered and secure using (5) five # 6 X 3/8" screws (item 1 pg 2). See Photo 8.

IV. INSTALLATION OF CONSOLE

Caution: Use extra support for the console until secured to the vehicle. Failure to do so may cause damage to console or installed components.

18. Install dome light switch (item 11 pg 2) into opening on front of console (item 10 pg.2).Raise console into approximate position and connect A/C control wires. Position console against headliner. Loosely install using (2) two # 6 x 3/8" screws (item 1 pg. 2) through the slots in bracket on console into holes on front mounting bracket. See Photo 9.
19. Make sure console alignment is straight and matches contours in headliner, then open remote control door and secure rear section of console using (2) two # 8 x 1" screws (item 3 pg 2). Tighten (2) two # 6 x 3/8" screws previously installed. See Photo 10.

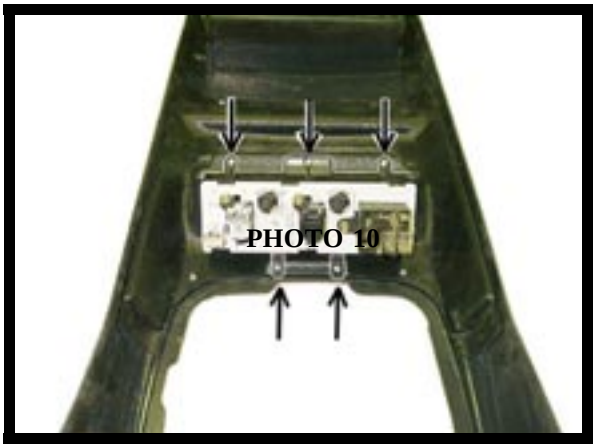


PHOTO 10

20. Release LCD monitor panel from locked position. Lower to viewing position for access to mounting location in top of housing.
21. Raise monitor housing into approximate position and connect all wiring to components. Connect wiring and cabling per instructions included with LCD monitor.
22. Check function of all components and lights. See operating instructions for video operations check. For further assistance, refer to the TMX-R680A owner's manual for the technical support phone number listed for your area.

23. Insert monitor housing into opening in console.
    Note : Make sure wires do not get pinched Between housing and console.
    PHOTO 9
    Align holes in housing with clips in mounting bracket. Secure using (4) four 8-32x 1 1/2" screws (item 4 pg.2). See Photo 11.
    Caution : Do not overtighten screws.
24. Raise LCD monitor panel into locked position.
25. Cut Velcro tape (item 6 pg 2) into 2" pieces. Remove protective backing from tape and apply to remote controls. Position them against the console door and press firmly on remote while holding the door.
26. Raise remote control door into locked position.

PHOTO 11